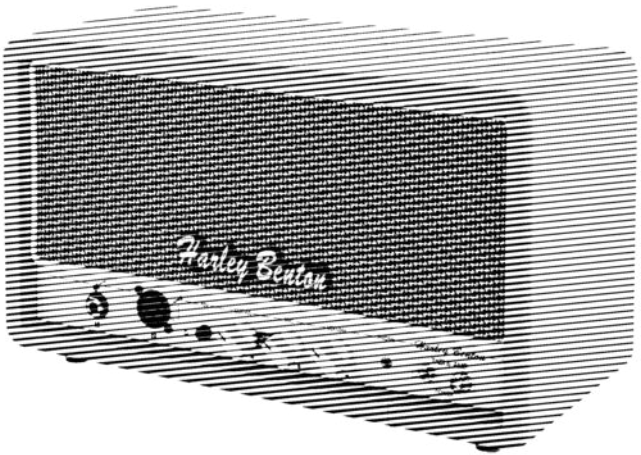

Harley Benton

Table Amp

guitar combo

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1 General notes

This user manual contains important information on safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device, include the manual for the next owner.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Symbols and signal words

This section provides an overview of the symbols and signal words used in this user manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
CAUTION!	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended to be used for amplification and playback of signals from musical instruments with electromagnetic pickups. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety

DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

CAUTION!

Possible hearing damage

The device can produce volume levels that may cause temporary or permanent hearing impairment. Over an extended period of time, even levels that seem to be uncritical can cause hearing damage.

Decrease the volume level immediately if you experience ringing in your ears or hearing impairment. If this is not possible, keep a greater distance or use sufficient ear protectors.

NOTICE!

Risk of fire

Do not cover the device nor any ventilation slots. Do not place the device near any direct heat source. Keep the device away from naked flames.

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

NOTICE!

Power supply

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

3 Features

Special features of the device:

- Guitar combo with USB and MIDI interface for practising and recording
- Stereo channel 2 × 5 watt
- 2 × 4" broadband loudspeakers
- Guitar input (unbalanced 1/4" phone socket)
- Microphone input (balanced XLR socket) with switchable phantom power (48 V)
- Effects loop
- Line out (L — R)
- AUX input (CD, MP3, Laptop)
- Phones output (1/8" mini phone socket)
- AD converter with up to 24 bit/192 kHz
- MIDI IN/OUT (for connecting external MIDI equipment)
- Separate volume controls for
  - Overall volume
  - Guitar (with push-pull switch for USB bypass)
  - Microphone (with push-pull switch for USB bypass)

4 Installation and starting up

Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.

NOTICE!

Possible property damage by magnetic fields

Loudspeakers produce a static magnetic field. Therefore, maintain an appropriate distance to devices that can be adversely affected or damaged by an external magnetic field.

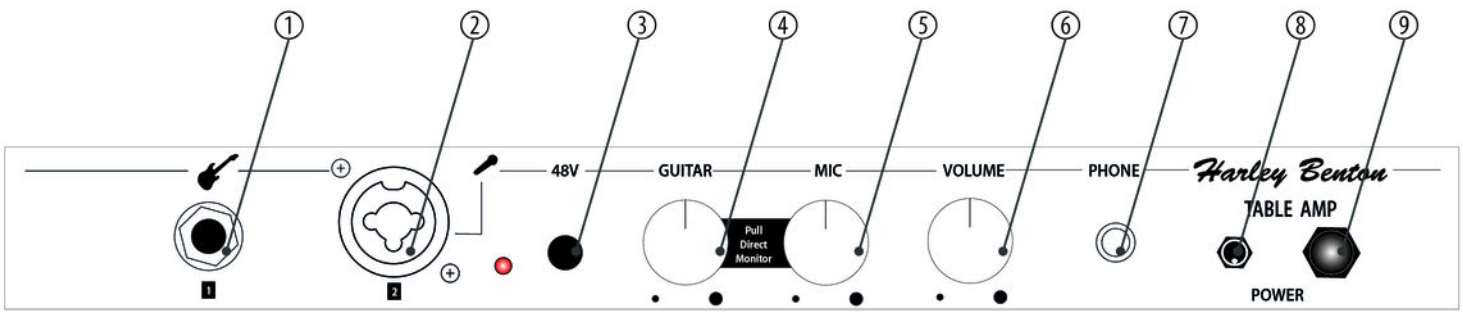
Installation of ASIO driver

ASIO (Audio Stream Input / Output) is an interface standard developed by Steinberg Media Technologies GmbH, that allows addressing the multi-channel capabilities of the computer sound card and achieving very low latency.

To use the device with your computer, you must install the ASIO driver from the supplied CD first. To do this, insert the CD in your computer's CD drive, start *'TableAmp_2.9.52'* and follow the instructions on the screen.

5 Components and functions

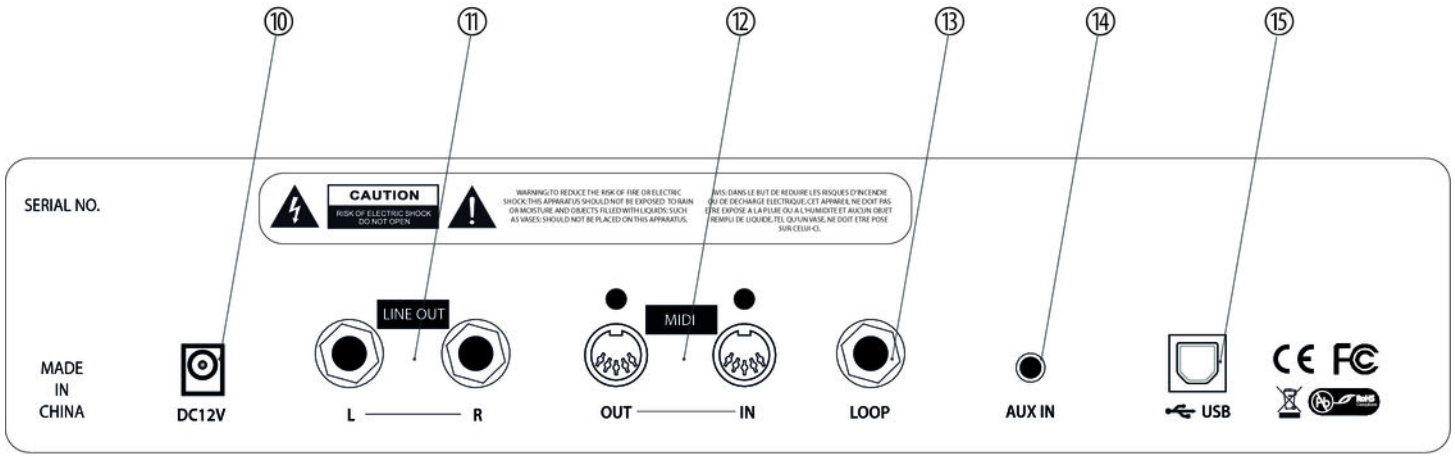
Front panel



1	Instrument input 1/4" phone socket (mono) for the input signal of a guitar, bass or another audio device with line level output.
2	Microphone input Three-pole balanced XLR chassis socket to connect a microphone.
3	**48V** Phantom power switch with indicator. When you press this switch, +48 V phantom power for the supply of condenser microphones is applied to the XLR socket. If you connect devices that do not require phantom power, the phantom power must be turned off. Otherwise, the device may be damaged. With phantom power enabled, the LED lights up red, otherwise it goes out. Observe the notes in the operating instructions of the connected microphone.
4, 5	Volume controls **GUITAR** and **MIC** Separate volume controls for instrument and microphone input level.
4, 5	**Pull Direct Monitor** (pull switch for USB bypass) The table amp can operate as a standalone device without being connected to a computer. Pull out the volume knob to activate the direct mode. Then, the input signal is not output to the PC, but directly to the speakers. A device connected to the USB interface can be used simultaneously for playing music or singing (e.g. background).

6	**VOLUME** Overall volume control (for speakers and phones output), does not affect the signal on the ‘AUX In’ input.
7	**PHONE** 1/8" mini phone socket for headphones. Connecting headphones disables the speakers. To avoid disturbing noises, turn the volume control ‘VOLUME’ (6) all the way down before inserting or removing headphones.
8	**POWER** Use the mains switch to turn the unit on or off.
9	**POWER** The indicator lights up when the unit is turned on and ready for use.

Rear panel


⑩
⑪
⑫
⑬
⑭
⑮
SERIAL NO.
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
MADE IN CHINA
DC12V
LINE OUT
L
R
MIDI
OUT
IN
LOOP
AUX IN
USB

10	**DC12V** Connect the power adapter here.
11	**LINE OUT L — R** 1/4" phone sockets for signal output with line level (left and right channel).
12	**MIDI OUT — IN** MIDI stands for 'Musical Instrument Digital Interface' and enables as a global standard the electronic interaction of different instruments and sound modules. MIDI IN: Via this connector, MIDI data from other devices is received. MIDI OUT: Via this output, MIDI data can be send to other MIDI equipment.
13	**LOOP** External effects loop (for the guitar channel only) to be used to connect an external effects device with a three-wire 1/4" insert cable. This cable is not included.

14	**AUX IN** 1/4" stereo phone socket for additional signal input, which is fed directly into the power amp after the tone control, such as a CD or MP3 player. Adjust the volume on the connected audio device.
15	**USB** Interface for connection to a computer for audio recording and editing.

6 Technical specifications

Instrument input	Unbalanced 1/4" phone socket (mono) Sensitivity: –28 dBV @ 500 kΩ
Microphone input	Three-pole balanced XLR chassis socket Sensitivity: –40 dBV @ 6,8 kΩ Phantom voltage: 48 V, switchable
AUX input	1/8" mini phone jack (stereo) Sensitivity: –6 dBV @ 20 kΩ
LOOP	1/4" phone socket (stereo) SEND level: –29 dBV RETURN level: –28 dBV
LINE output	Unbalanced 1/4" phone socket (mono) × 2 (L — R) Output level: –8 dBV @ 150 Ω

Headphones output	1/8" mini phone jack (stereo) Output power: 400 mW
Connections	USB: standard B 2.0 DC IN: 2.1 mm MIDI: 5-pin DIN socket
Volume control	VOLUME for the overall volume GUITAR for the instrument input level MIC for the microphone input
Switches	POWER: on / off 48V: phantom power on / off
Indicators	POWER: blue indicator PHANTOM: red LED
Maximum SPL	105 dB in 1 metre distance
Digital processor	24 Bit / 192 kHz

Output power	2 × 5 W
Speakers	2 × 5 W @ 16 Ω 4" broadband loudspeakers
Operating supply voltage	Power adapter 12 V / 1.0 A
Housing	Wood and synthetic leather
Dimensions (W × D × H)	336 mm × 186 mm × 150 mm
Weight	3.2 kg

7 Plug and connection assignment

Introduction

This chapter will help you select the right cables and plugs to connect your valuable equipment in such a way that a perfect sound experience is ensured.

Please note these advices, because especially in 'Sound & Light' caution is indicated: Even if a plug fits into the socket, an incorrect connection may result in a destroyed power amp, a short circuit or 'just' in poor transmission quality!

Balanced and unbalanced transmission

Unbalanced transmission is mainly used in semi-professional environment and in hifi use. Instrument cables with two conductors (one core plus shielding) are typical representatives of the unbalanced transmission. One conductor is ground and shielding while the signal is transmitted through the core.

Unbalanced transmission is susceptible to electromagnetic interference, especially at low levels, such as microphone signals and when using long cables.

In a professional environment, therefore, the balanced transmission is preferred, because this enables an undisturbed transmission of signals over long distances. In addition to the conductors 'Ground' and 'Signal', in a balanced transmission a second core is added. This also transfers the signal, but phase-shifted by 180°.

Since the interference affects both cores equally, by subtracting the phase-shifted signals, the interfering signal is completely neutralized. The result is a pure signal without any noise interference.

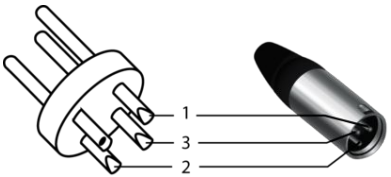
1/4" TS phone plug (mono, unbalanced)

1	Signal
2	Ground, shielding

Three-pole 1/8" mini phone jack (stereo, unbalanced)

1	Signal (left)
2	Signal (right)
3	Ground, shielding

XLR plug (balanced)



1	Ground, shielding
2	Signal (in phase, +)
3	Signal (out of phase, –)

8 Protecting the environment

Disposal of the packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

Disposal of your old device

This device is subject to the European directive 2012/19/EU.

Do not dispose of the device with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.